SAC **Springfield Auto Care** EXAMPLE SHOP
service@springfield-auto-care.example



# 2001 Nissan Maxima at 164,000 mi

JN1CA31D51T812345

| MODEL / CHASSIS | ENGINE | MILEAGE | DRIVETRAIN |
|---|---|---|---|
| Maxima · A33 Maxima GXE 3.0 sedan | Nissan VQ30DE-K 3.0L V6 (2000–2001 Maxima and Infiniti I30) | 164,000 mi | FWD |
| **BUILD MONTH** | **REPORT DATE** | **MODE** | **PREPARED FOR** |
| Not entered (door jamb) | October 28, 2026 | Shop | Sample Owner |

VIN check: check digit valid; model-year code '1' = 2001, matches the year entered. The VIN doesn't record the build month. Sample report: synthetic VIN.

1 · SUMMARY

## What this car needs, in order

Each item compares this car's mileage with when owners and shops report the part failing. It is not an inspection: our technician decides what the car actually needs.

**1**
inspection recommended now

**0**
to plan in the next 30,000 miles

**4**
to watch or check at each service

**Safety recalls NHTSA lists for this model year (3)**

- **20V-008** · Air bags · frontal · passenger side: The passenger air bag uses a Takata inflator without a drying agent that can degrade with heat and humidity and explode in a crash, throwing metal fragments. Dealers replace the inflator.
- **15V-287** · Air bags: The passenger frontal air bag inflator can rupture when it deploys and throw metal fragments at the occupants. Dealers replace the inflator.
- **02V-146** · Suspension · front · control arm: The pin at the frame end of the front lower control arm can break, which causes a knocking noise and abnormal steering. Dealers replace the control arms.

A model-year list, not a VIN check. Repairs are free at a Nissan dealer if open. On a car over 15 years old, ask the dealer whether a newer recall is still repaired free. Check this VIN at nhtsa.gov/recalls.

**Step 0 · Free:** run the VIN at nhtsa.gov/recalls and ask a Nissan dealer for a campaign printout. Read the build month (MM/YY) on the driver's door-jamb label.

## Recommended now at the next service — $140

### Inspection: check now, while it's cheaper to fix — $140

inspection EXAMPLE

**Ignition coil failure: misfire, P1320, spark knock**: Long past the range (37,000–68,000 mi, the middle half of 71 owner reports) · if it fails: $671–$1,000
At this mileage it may already be fixed: we check the records first.
Known weak point for this engine, not a finding on your car. The inspection shows whether yours has early signs.

## Next 12 months up to about 171,000 mi

Nothing scheduled here.

## Within the next 30,000 miles up to 194,000 mi

Nothing else enters its reported range in this window.

## Watch inspect at each service, fix on condition, or optional

### Engine (EGI) harness wire breakage — $140

Any mileage (2000–2001 Maxima and I30) · Inspect at each service; fix at the first sign

our price EXAMPLE

### Mass airflow sensor fault (P0100): surging and low power — $140

Any mileage (2000–2001 Maxima and I30) · Inspect at each service; fix at the first sign

our price EXAMPLE

### Oxygen sensor and catalyst codes (P0138–P0160, P0420) — $140

Any mileage (2000–2001 Maxima and I30) · Inspect at each service; fix at the first sign

our price EXAMPLE

### Automatic transmission: delayed 1–2 / 2–3 shifts — $220

Any mileage (2000–2001 Maxima and I30 automatic) · Inspect at each service; fix at the first sign

our price EXAMPLE

Recommended now

**$140**

Springfield Auto Care prices (example)

Planned through 194,000 mi

**$140**

Nothing else on the list before 194,000 mi. Now + next 12 months + next 30,000 miles. Excludes “watch” and optional items.

Prices are Springfield Auto Care's estimates for typical parts and labor. They don't include tax, shop supplies or disposal fees, and may change after inspection or if part prices change. Not a written repair estimate: Springfield Auto Care confirms the price and gets your OK before any work.

Bundled jobs are priced together because the labor overlaps. Routine service (oil, brakes, tires) isn't included; factory fluid and spark plug intervals are listed below.

FACTORY MAINTENANCE

## The maker's maintenance schedule isn't on this report

This report doesn't include the maker's scheduled maintenance for this car yet, so brake fluid, spark plugs, coolant and transmission fluid aren't listed even when they're due. Check the service records and the maker's schedule for this car.

WHERE 164K SITS FOR EACH WEAK POINT

| # | WEAK POINT | REPORTED RANGE | THIS CAR |
|---|---|---|---|
| 1 | Ignition coil failure: misfire, P1320, spark knock | 37,000–68,000 mi (middle half of 71 owner complaints that state a mileage) COMPUTED FROM NHTSA DATA | Long past the range |
| 2 | Engine (EGI) harness wire breakage | 2000–2001 Maxima and I30 OFFICIAL | Any mileage |
| 3 | Mass airflow sensor fault (P0100): surging and low power | 2000–2001 Maxima and I30 OFFICIAL | Any mileage |
| 4 | Oxygen sensor and catalyst codes (P0138–P0160, P0420) | 2000–2001 Maxima and I30 OFFICIAL | Any mileage |
| 5 | Automatic transmission: delayed 1–2 / 2–3 shifts | 2000–2001 Maxima and I30 automatic OFFICIAL | Any mileage |

Colors compare mileage with reported failures, not the car's condition. Red: past the range. Amber: inside or approaching. Green: below, or not listed for a recall.

2 · RECALLS AND BULLETINS

# Recalls to check for this 2001 Nissan Maxima

Safety recall repairs are free at Nissan dealers. On a car over 15 years old, ask the dealer whether a newer recall is still repaired free. Nothing here can tell whether a recall is open or already done on this VIN; only the official VIN lookup or a dealer can.

**Official VIN check (2 minutes)**

1. Go to nhtsa.gov/recalls and enter JN1CA31D51T812345.
2. Note every recall shown as “Recall incomplete” and keep a screenshot.
3. Ask a Nissan dealer for a campaign printout; it also lists completed campaigns.

### 3.0L VQ30DE-K V6 RECALLS WE TRACK

NHTSA lists no engine-specific recall campaign for the 3.0L VQ30DE-K V6 as of 2026-10-28. Recalls on the rest of the car are in the model-year list below.

### EVERY RECALL NHTSA LISTS FOR THE 2001 NISSAN MAXIMA (3)

| RECALL | COMPONENT | WHAT CAN HAPPEN (NHTSA, SHORTENED) |
|---|---|---|
| **20V-008** | Air bags · frontal · passenger side | The passenger air bag uses a Takata inflator without a drying agent that can degrade with heat and humidity and explode in a crash, throwing metal fragments. Dealers replace the inflator. Details |
| **15V-287** | Air bags | The passenger frontal air bag inflator can rupture when it deploys and throw metal fragments at the occupants. Dealers replace the inflator. Details |
| **02V-146** | Suspension · front · control arm | The pin at the frame end of the front lower control arm can break, which causes a knocking noise and abnormal steering. Dealers replace the control arms. Details |

Source: NHTSA recalls API, fetched 2026-10-28 and combined across NHTSA model names: MAXIMA. Safety categories (air bags, fire, brakes, stalling, roll-away and loss of control) are listed first; listings whose NHTSA text names another engine, or an aftermarket part, go last. OFFICIAL

Left out of this list (MAXIMA): 22E-066 covers replacement air bag inflator service parts fitted after a theft or collision repair, and 09E-025, 09E-012 and 06E-026 cover aftermarket lamps, so they are left out of this sample; a VIN check would show 22E-066 if it applied.

### SERVICE ACTIONS, BULLETINS AND WARRANTY PROGRAMS

Manufacturer bulletins and warranty programs for this engine are cited on each weak point in section 4, where they apply.

4 · THE 5 WEAK POINTS

# Each weak point, one card each

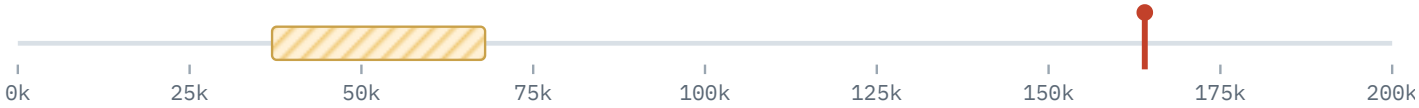
Every figure carries its source. Retailer part numbers are shown only when the retailer lists them for this chassis (A33).

## 1 Ignition coil failure: misfire, P1320, spark knock

Long past the range

Severity: High: overheating, stalls, limp mode or a big bill · 199 mentions in counted NHTSA complaints COMPUTED FROM NHTSA DATA

At 164,000 mi this car is long past the reported range (37,000–68,000 mi (middle half of 71 owner complaints that state a mileage)). Many cars at this mileage have already had this repaired, and some never had the fault. Check the records and the part itself before planning it. Range: 37,000–68,000 mi (middle half of 71 owner complaints that state a mileage) COMPUTED FROM NHTSA DATA [1]




### WHAT FAILS OFFICIAL [2][1]

The coil-on-plug ignition coils on the 2000–2001 Maxima and I30 fail often. Nissan issued a bulletin for the check-engine light with P1320 and for spark knock caused by the coils. Owners report misfires, a flashing check-engine light, stumbling under load and, after one coil goes, others following, so dealers often replace all six.

### SYMPTOMS

- Misfire or stumble under load
- Flashing check-engine light with P0300–P0306 or P1320
- Spark knock (pinging)
- Rough idle

### IF IT'S LEFT TOO LONG

Misfires overheat and can ruin the catalytic converters.

### IS IT WORTH DOING EARLY? OUR ESTIMATE

Replace failed coils with the updated part at the first misfire; many shops replace all six and the plugs together.

### ESTIMATED REPAIR COST

| | |
|---|---|
| Owner-reported repair bills in NHTSA complaints (n=76) | **Our price is in the plan above**<br>ask us for a written quote |
| Owner-reported repair bills in NHTSA complaints (n=76) | **$671–$1,000**<br>COMPUTED FROM NHTSA DATA [1]<br>reported range for the bill after a failure |

Where the numbers come from: Computed from 76 NHTSA owner complaints that quote a bill or estimate for ignition coil replacement (middle half of the bills; median $800; per-coil part prices left out). Examples: ODI 10106375, 10129766, 10221117, 10159922. Owner-reported, often dealer prices for all six coils; not shop quotes.

### PARTS FOR A33

- Ask your parts supplier for the OE part number for this VIN.

### QUESTIONS TO ASK US

- Any misfires or check-engine light?
- Coils replaced? All six or only some?

## 2 Engine (EGI) harness wire breakage

Any mileage

Severity: High: overheating, stalls, limp mode or a big bill · 0 mentions in counted NHTSA complaints

COMPUTED FROM NHTSA DATA

Reports cover a wide mileage span (2000–2001 Maxima and I30), so mileage doesn't say much here. Range: 2000–2001 Maxima and I30 OFFICIAL [3]

### WHAT FAILS OFFICIAL [3]

Nissan issued a bulletin for wires breaking inside the engine (EGI) harness on 2000–2001 Maxima and I30. A broken wire can set check-engine codes, cause a no-start or rough idle, upset the A/C and stop the oil pressure light working.

### SYMPTOMS

- Check-engine light with several unrelated codes
- Intermittent no-start or rough idle
- A/C or oil pressure light not working

### IF IT'S LEFT TOO LONG

A broken harness wire can stop the engine or hide a real oil pressure warning.

### IS IT WORTH DOING EARLY? OUR ESTIMATE

When codes do not add up, inspect the engine harness for broken wires before replacing sensors.

### ESTIMATED REPAIR COST

| | |
|---|---|
| No published price | **Our price is in the plan above**<br>ask us for a written quote |
| No published price | **No published price**<br>reported range for the bill after a failure |

### PARTS FOR A33

- Ask your parts supplier for the OE part number for this VIN.

### QUESTIONS TO ASK US

- Intermittent no-starts or odd electrical faults?

## 3 Mass airflow sensor fault (P0100): surging and low power

Any mileage

Severity: Medium: leaks and wear · 14 mentions in counted NHTSA complaints

COMPUTED FROM NHTSA DATA

Reports cover a wide mileage span (2000–2001 Maxima and I30), so mileage doesn't say much here. Range: 2000–2001 Maxima and I30 OFFICIAL [4]

### WHAT FAILS OFFICIAL [4]

Nissan issued bulletins for the check-engine light with P0100 (mass airflow sensor) on 2000–2001 Maxima and I30, with the engine running rough, surging or down on power.

### SYMPTOMS

- Check-engine light with P0100
- Surging at steady speed
- Low power

### IF IT'S LEFT TOO LONG

### ESTIMATED REPAIR COST

| | |
|---|---|
| No published price | **Our price is in the plan above**<br>ask us for a written quote |
| No published price | **No published price**<br>reported range for the bill after a failure |

### PARTS FOR A33

- Ask your parts supplier for the OE part number for this VIN.

Poor running and fuel economy.

IS IT WORTH DOING EARLY? OUR ESTIMATE

Check the MAF sensor and its connector; follow the bulletin before replacing the sensor.

QUESTIONS TO ASK US

- Any surging or P0100?

## 4 Oxygen sensor and catalyst codes (P0138–P0160, P0420)

Any mileage

Severity: Medium: leaks and wear · 62 mentions in counted NHTSA complaints

COMPUTED FROM NHTSA DATA

Reports cover a wide mileage span (2000–2001 Maxima and I30), so mileage doesn't say much here. Range: 2000–2001 Maxima and I30 OFFICIAL [5][6]

WHAT FAILS OFFICIAL [5][6]

Nissan issued several bulletins for check-engine lights from the front and rear oxygen sensors and for P0420 (catalyst efficiency) on 2000–2001 Maxima and I30; some were fixed with an ECM reprogram. Owners often report sensor and converter codes after coil misfires.

SYMPTOMS

- Check-engine light with O2 sensor or P0420 codes
- Failed emissions test

IF IT'S LEFT TOO LONG

Ignoring misfires can turn a sensor code into a converter replacement.

IS IT WORTH DOING EARLY? OUR ESTIMATE

Fix any misfire first, then follow the bulletins before replacing sensors or converters.

ESTIMATED REPAIR COST

| | |
|---|---|
| No published price | **Our price is in the plan above** ask us for a written quote |
| No published price | **No published price** reported range for the bill after a failure |

PARTS FOR A33

- Ask your parts supplier for the OE part number for this VIN.

QUESTIONS TO ASK US

- Any O2 sensor or catalyst codes?
- Converters or sensors replaced?

## 5 Automatic transmission: delayed 1–2 / 2–3 shifts

Any mileage

Severity: Medium: leaks and wear · 43 mentions in counted NHTSA complaints

COMPUTED FROM NHTSA DATA

Reports cover a wide mileage span (2000–2001 Maxima and I30 automatic), so mileage doesn't say much here. Range: 2000–2001 Maxima and I30 automatic OFFICIAL [7]

WHAT FAILS OFFICIAL [7]

ESTIMATED REPAIR COST

Nissan issued bulletins for slow or delayed shifts from first to second or second to third gear, mostly at half throttle or more, on 2000–2001 Maxima and I30 automatics.

SYMPTOMS

- Delayed or slipping 1–2 or 2–3 shift
- Flare in rpm between gears

IF IT'S LEFT TOO LONG

Slipping shifts wear the clutches.

IS IT WORTH DOING EARLY? OUR ESTIMATE

Check the fluid and follow the bulletin before replacing the transmission.

| | |
|---|---|
| No published price | **Our price is in the plan above**<br>ask us for a written quote |
| No published price | **No published price**<br>reported range for the bill after a failure |

PARTS FOR A33

- Ask your parts supplier for the OE part number for this VIN.

QUESTIONS TO ASK US

- Any slipping or late shifts?
- Fluid changed?

5 · ALSO REPORTED, NOT RANKED

## Other themes in 3.0L VQ30DE-K V6 owner complaints

Every NHTSA complaint theme with 10 or more counted reports is either a weak point above or explained here.

| THEME | COMPLAINTS | WHY IT ISN'T A WEAK POINT |
|---|---|---|
| **Brakes** | 108 | Brake complaints; not engine faults. |
| **Steering / suspension** | 75 | Steering and suspension complaints (lower control arm recall 02V-146 on 2001 cars); not engine faults. |
| **Air bags** | 72 | Air bag complaints, including Takata inflator recalls on 2001 cars; not engine faults. |
| **Engine mounts / vibration** | 57 | Engine mount and vibration complaints, often with misfires; no bulletin pattern beyond the coil item. |

# How this report is built

**Inputs.** VIN, model year, model, mileage and build month (if entered). Model and engine are checked with NHTSA's vPIC decoder.

**Mileage positions.** Below: more than 10,000 miles before the reported range. Approaching: within 10,000. Inside: in the range, or past the start of an open-ended range. Past: beyond the top of the range. These bands are our rules, not an industry standard.

**The plan.** Critical items inside or past their range go first; high-severity items follow, and jobs that share labor are bundled. At most three jobs land in “Recommended now”. Leaks that are cheap to watch are fixed on condition; inspections are asked for at each service.

**Costs.** Published independent-shop ranges from shop quotes, retailer prices and owner reports. Shop prices come from the issuing shop. The worst-case cost of every item failing is not shown: it isn't an expected cost.

**Labels.** `OFFICIAL` NHTSA/Nissan documents · `SHOP/RETAILER` parts prices and shop articles · `FORUM/BLOG` owner forums and blogs · `COMPUTED FROM NHTSA DATA` our analysis of NHTSA data · `OUR ESTIMATE` ours.

**NHTSA complaint data.** Pulled Oct 28, 2026 from NHTSA's complaints API for All 2000–2001 Maxima and Infiniti I30 complaints (one engine): 687 complaints. We pooled every complaint NHTSA files under these model names and years; where a nameplate also came with another engine or powertrain, a few complaints may be about it. Themes are keyword matches on the complaint text.
`COMPUTED FROM NHTSA DATA`

| THEME | COMPLAINTS | IN THIS REPORT |
|---|---|---|
| Ignition coils / misfire | 199 | Item 1 |
| Brakes | 108 | Also reported |
| Stalling / rough idle | 90 | Item 1 |
| Steering / suspension | 75 | Also reported |
| Air bags | 72 | Also reported |
| Oxygen sensors / catalyst | 62 | Item 4 |
| Engine mounts / vibration | 57 | Also reported |
| Automatic transmission | 43 | Item 5 |
| Mass airflow sensor | 14 | Item 3 |

Limits: complaints are self-reported and not adjusted for cars sold; keyword matching over- and under-counts; owners rarely file safety complaints about oil seeps, so leaks look rarer than they are.

## SOURCES


1. NHTSA owner complaints for 2000–2001 Nissan Maxima and Infiniti I30, pulled Oct 28, 2026 (ODI numbers in the cost notes) `OFFICIAL`
https://www.nhtsa.gov/report-a-safety-problem#complaints

2. Nissan NTB01-059 / Infiniti ITB01-052: 2000–2001 Maxima and I30: MIL on with DTC P1320 and/or spark knock (detonation) due to ignition coil(s) (2001-09-06; NHTSA summary only), filed with NHTSA `OFFICIAL`
https://www.nhtsa.gov/?nhtsaId=628197

3. Nissan NTB01-076B / ITB01-072A: 2000–2001 Maxima and I30: EGI engine harness wire breakage: MIL with stored codes, no start, rough idle, A/C faults, oil pressure light inoperative (2002-01-09; NHTSA summary only), filed with NHTSA `OFFICIAL`
https://www.nhtsa.gov/?nhtsaId=629170

4. Nissan NTB01-036A / ITB01-029B: 2000–2001 Maxima and I30: MIL with DTC P0100 (mass airflow sensor), rough running, surging and low power (2001-10-05; NHTSA summary only), filed with NHTSA `OFFICIAL`
https://www.nhtsa.gov/?nhtsaId=625505

5. Nissan NTB02-051A: 2000–2001 Maxima: MIL with rear O2 sensor codes P0138, P0139, P0158, P0159, P1147, P1167 (2003-07-16); NTB02-002: front O2 sensor codes P0134, P0135, P0154, P0155 (2002-01-01); NHTSA summaries only, filed with NHTSA `OFFICIAL`
https://www.nhtsa.gov/?nhtsaId=10003459

6. Nissan NTB00-070A / ITB00-054A: 2000–2001 Maxima and I30: MIL with DTC P0420 (three-way catalyst function) (2004-06-07; NHTSA summary only), filed with NHTSA `OFFICIAL`
https://www.nhtsa.gov/?nhtsaId=619999

7. Nissan NTB00-039D: 2000–2001 Maxima: slow or delayed shifting from first to second or second to third gear (2001-09-25; NHTSA summary only), filed with NHTSA OFFICIAL
https://www.nhtsa.gov/?nhtsaId=625508

This report contains no affiliate links; retailer prices are quoted as price sources only. Found an error? Email hello@repairahead.com.

PLEASE READ

# Important

**Based on public records and published repair costs. Not a diagnosis or a guarantee. Your technician's inspection decides what your car needs. Confirm recalls with a dealer using your VIN.**

**Informational only.** This report is not a mechanical inspection, a diagnosis, or professional, legal or financial advice. It was issued by Springfield Auto Care using RepairAhead data; the inspection findings and prices are the shop's.

### Reported ranges and estimates, not predictions

Failure mileages are reported ranges compiled from public owner complaints, manufacturer bulletins, recalls and repair-shop reports. Costs are estimates. Parts can fail earlier, later or not at all, and other problems can occur. Statistics from owner complaints describe past reports to NHTSA; NHTSA has not reviewed or endorsed this analysis.

### Safety issues go to a dealer

If you notice overheating, a burning or fuel smell, smoke, a brake-assist problem, stalling or loss of power, pull over when it's safe and contact a Nissan dealer or qualified shop. Safety recall repairs are free at Nissan dealers. Confirm recalls for this VIN at nhtsa.gov/recalls.

### No warranty

Provided “as is”, without warranties of any kind, under the Terms of Use at repairahead.com/terms.

### Trademarks and independence

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